

THE EVENING WORLD'S RADIO PHONE SERVICE COLUMN.

By Capt. Robert Scofield Wood.

QUESTIONS AND ANSWERS

A. Fine—"I have used the following hook-up and heard WGY, WBZ and all of the local stations very well until I dismantled the set last week. I have put it together according to the following hook-up and get nothing but a loud hum which I can vary by turning the variable condenser. I have changed the leak and transformer and tightened the connections, but the hum persists. What shall I do?" Answer—A radio with such a hum may have a shorted open circuit somewhere in the layout. Just where it is you will have to determine by a very careful examination of each and every connection. Re-arrange the hook-up according to the diagram of Sept. 29, City Edition, Evening World.

R. T. Harris.—"Are the following instruments the best to use for a crystal receiving set? A crystal detector, condenser, phones 200 ohms, a vario coupler and a variable condenser. If not what instruments will I need? I live about twenty miles from Newark and five miles from New York City. Are radio frequency transformers of any value in an antenna? Answer—The instruments are properly made they will give the best results obtainable from a crystal set. The phone condenser should have a capacity of .001 microfarads, the variable condenser a capacity of .0005 microfarads. Radio frequency transformers have no place in a crystal set; they are used in vacuum tube sets.

WOR.—NEWARK
400 METRES.

2:30 P. M.—Talk by Vogue Maga-

zine.

2:35 P. M.—Song recital by Carolyn Wells Bassett, soprano. Programme: (a) "Mister Mockin' Bird"; (b) "A Girl's Night Song"; (c) "De Bogie"; (d) "Swiss Echo Song" (Eckert).

2:35 P. M.—J. H. Osborne will talk on "The Government and Your Money."

3:30 P. M.—Group of songs by Florence Glimour, coloratura soprano; accompanist, Julia E. Fox. (a) "Chanson Provencal" (Dellaqua); (b) "Pierrot"; (c) "The Ice Balloon" (Julia Fox).

4:15 P. M.—Baseball scores. Fire Commissioner Thomas M. Ford of Newark will talk on "Fire Prevention."

4:40 P. M.—Philip Gordon on "Musical Recitation," illustrated with piano accompaniment of Mr. Gordon's own composition.

6:15 P. M.—Talk by Mrs. Maude Wood Park on "Educating for Citizenship."

WJZ—NEWARK
360 METRES.

7:00—Stories from St. Nicholas Maga-

zine.

8:30—Business and Industrial Conditions in the United States as observed by the National Industrial Conference Board; prices on stocks, bonds, grains, coffee and sugar.

8:45—"Fire Hazards," by Master of the Fire Underwriters Association.

8:45—"The Iron in Battersea Park," by Ida Molton.

8:45—Concert by Roy E. Titworth, baritone, of Plainfield, N. J.; Mrs. Rose and M. Davis, accompanist. Programme: "Give a Man a Horse He Can Ride"; "O'Hara; "Deep River"; "Burleigh"; "Soul"; "Bond"; "Open the Gates of the Temple"; "With a Little Love"; "Liberate"; "Contentment"; "Salter"; "There Is No Death"; "O'Hara; "The Old Road"; "Court".

10:01—Recital by Grace E. Woydech, soprano, who has been soloist for the past five years at St. Clement's Church, New York, and at present singer at St. Bartholomew's Church, New York City.

10:01—"With a Little Love," Lillian Bond; "Contentment," Salter; "There Is No Death," O'Hara; "The Old Road," Court.

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